NEW YORK
FISH AND GAME
JOURNAL

VOLUME 2

1955

STATE OF NEW YORK

Averell Harriman, *Governor*

Conservation Department

Louis A. Wehle, *Commissioner*
Justin T. Mahoney, *Deputy Commissioner*
John F. Daly, *Secretary*

Division of Fish and Game

W. C. Senning, *Director*
W. Mason Lawrence, *Assistant Director*
Robert W. Darrow, *Editor*

CONTENTS OF VOLUME 2

NUMBER 1 — JANUARY

Survivals of Planted Atlantic Salmon in Lake George
John R. Greeley 1

The Biology and Management of the Fisher in New York
W. J. Hamilton, Jr. and Arthur H. Cook 13

Toxicity of Emulsifiable Rotenone to Various Species of Fish
G. E. Burdick, Howard J. Dean and Earl J. Harris 36

Wood Duck Production and Use of Nest Boxes on Some Small Marshes in New York. . . . . *Harold G. Klein* 68

Age and Growth of a Small-Stream Population of "Stunted" Smallmouth Black Bass, *Micropterus dolomieu dolomieu* (Lacépède). . . . . *Royal D. Suttkus* 83

Effects of Rapid Direct Current Pulsations on Fish
David C. Haskell and William J. Adelman, Jr. 95

A Comparison of Alternating and Direct Currents in Fishery Work. . . . *Dwight A. Webster, John L. Forney, Robert H. Gibbs, Jr., Jack H. Severns and William F. Van Woert* 106

An Alternate-Polarity Electrode. . . . . *A. C. Petty* 114

An Electric Trawl. . . . . *David C. Haskell, Donald Geduldig and Edward Snoek* 120

NUMBER 2 — JULY

Definition of Game Range Divisions in New York. . *Ralph H. Smith* 127

Preliminary Studies of Menhaden and Their Mass Mortalities in Long Island and New Jersey Waters
James R. Westman and Ross F. Nigrelli 142

Deer Weights as an Index of Range Conditions on Two Wilderness Areas in the Adirondack Region. . . . . *C. W. Severinghaus* 154

Effect of Size at Planting on Survival and Time of Downstream Migration of Atlantic Salmon in a Tributary of Lake George
John R. Greeley 161

Experimental Control of Water Chestnut *(Trapa natans)* in New York State. . . . . *Ralph H. Smith* 173

Comparative Toxicities of Potassium Cyanide and Potassium Cuprocyanide to the Western Black-nosed Dace *(Rhinichthys atratulus meleagris)*. . . . . *M. Lipschuetz and A. L. Cooper* 194

Certain Aspects of Waterfowl Hunting in New York as Indicated by Bag-check Data for 1953 and 1954. . . . . *Donald D. Foley* 205

An Electrical Surface Device for Carp Control and Fish Collection in Lakes. . . . . *Howard A. Loeb* 220

Movement of Waterfowl Hunters in New York State
Donald L. Schierbaum and Donald D. Foley 232

Some Observations on the Breeding Behavior of Deer
C. W. Severinghaus 239

Use of Age Composition Data for Determining Sex Ratios Among Adult Deer.....*C. W. Severinghaus and H. F. Maguire* 242

General Notes—Fawn Weights in Relation to Regulations for Taking Antlerless Deer.....*C. W. Severinghaus* 247